Kommunikationstechnik aus Norddeutschland

Owner's Manual
8 Channel PMR (Private Mobile Radio)
With CTCSS Subchannels

Tectalk-Freestyle

(Identical to KF-310)

❑ Contents ❑

FEATURES

Albrecht PMR 446 (Private Mobile Radio) Tectalk–Freestyle has the following features:

♦No License Required in EU countries (only in Belgium user must apply for individual license)
♦Clear Communications Up To About 2 Miles
♦A Lightweight, Palm-Sized Radio
♦LCD Panel
♦8 Channel With CTCSS Subchannels
♦Useful Functions (Lock / Scan / VOX / 3 Type Call Tone)
♦Automatic Squelch
♦Automatic Power Save
♦CE marked and notified to following European countries: Austria, Belgium, Croatia, Czechia, Danmark, France, Finland, Germany, Greece, Ireland, Island, Luxembourg, Netherlands, Portugal, Spain , Switzerland, Sweden.

INTRODUCTION

ALBRECHT Personal FM Transceiver is a lightweight, palm-sized radio that you can carry almost anywhere. Use it at shopping malls, amusement parks, or sports events to contact family and friends, or in a neighborhood watch for vital communications. You can talk with another person who has an PMR set to the same frequency as your transceiver.

Your radio has auto-squelch, which means you won’t hear anything on the channel unless someone is transmitting nearby on the same channel. But, you can turn off auto-squelch hear weaker, distant transmissions.

Also, if you do not transmit for over 5 seconds, the radio automatically switches to a power save mode and returns to full power when it receives a transmission or you press any key.

SPECIFICATIONS

General Specification

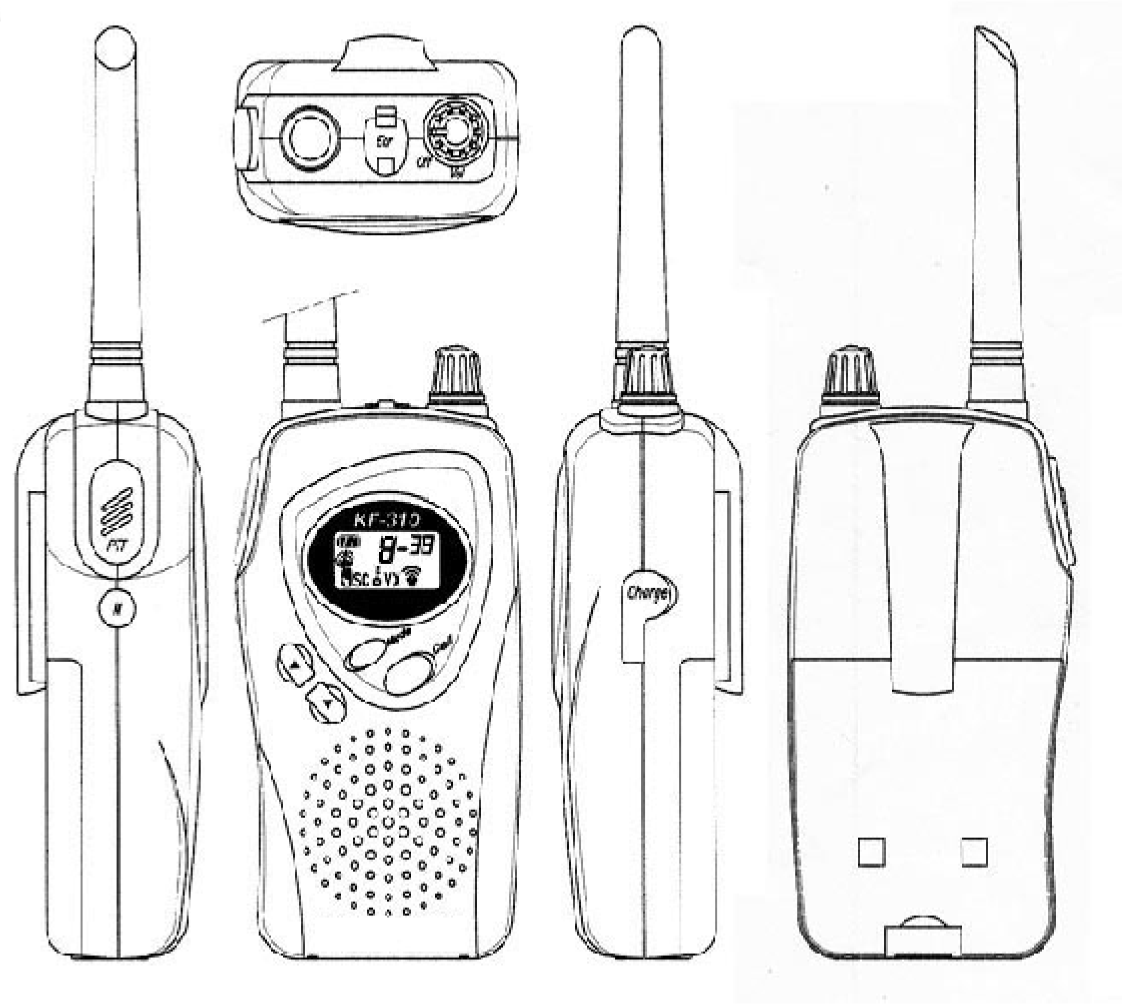
- **Total Number of Channels Available : 8**
- **CTCSS Subchannels : 38 for each channel**
- **Output Power : 0.5 Watts (ERP)**
- **Battery Life : 21 hours (typical)**

INCLUDED WITH YOUR PMR

- **Transceiver**
- **Owner's Manual**
- **Strap**

OPERATION

Name and Location of Controls



(1) ANTENNA
(2) PTT BUTTON
(3) MONITOR BUTTON
(4) EARPHONE & MIC JACK
(5) LCD PANEL
(6) UP BUTTON
(7) DOWN BUTTON
(8) ON/OFF VOLUME CONTROL
(9) MODE BUTTON
(10)CALL BUTTON
(11)MIC
(12)SPEAKER
(13)CHARGE JACK
(14)BELT CLIP
(15)BATTERY COVER
(16)CHARGE TERMINAL
(17) LOCKING LATCH

Channel and Frequency Table

Channel	Frequency (MHz)
1	446.00625
2	446.01875
3	446.03125
4	446.04375
5	446.05625
6	446.06875
7	446.08125
8	446.09375

CTCSS Sub-Channel table

CTCSS Channel	Freq. (Hz)	CTCSS Channel	Freq. (Hz)	CTCSS Channel	Freq. (Hz)
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3
13	103.5	26	162.2	00	No Tone

Using The Radio

Rotate the ON/OFF VOLUME control to turn the transceiver on and off and adjust the volume.

To send your message, Speak into the microphone while holding down PTT (Push to Talk). When you finish speaking, release PTT.

To hear everything happening on a channel, including weak transmissions, hold down MONITOR. Release MONITOR to turn auto-squelch back on.

To send a page to all radios tuned to same channel, press CALL.

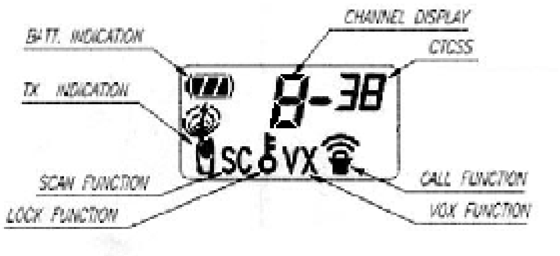
Applied European Standards:

This device compiles with following European standards:
ETS 300 296, ETS 300 279 and EN 60 950
Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Modifying or tampering with the radio's internal components can cause a malfunction and might invalidate the radio's warranty and general or individual license of using it.

LCD Panel Icon Description



Battery Level Indicator



Battery Level Meter indicates the remaining battery capacity.

Large Segment Display



Indicates the channel in use.

Small Segment Display



Displays the CTCSS tone number at the normal mode.
Displays the SUBMENU of each MENU in the FUNCTION mode.
(e.g. CTCSS: OF and number / SC : ON and OF / Lock : ON and OF / VOX : ON and OF / VOX Level : L1 and L2)

TX Indicator



Appears when a signal is being transmitted.

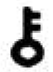
When receiving a transmission, only the radio will appear.

Auto Channel Scan Indicator

SC

Blinks in the auto scan mode or appears when the auto scan mode is activated.

Key Lock Indicator



Blinks in lock selection mode or appears when the lock function is activated.

VOX Indicator

VX

Blinks in VOX selection and VOX sense level selection mode.
Or appears when VOX is activated.

Call Tone Type Indicator (3 Type)



Blinks in Call tone selection mode or indicates what type of Call Ringer Melody you chose. The number of bar will be changed due to your choice. (1,2 and 3)

Control Buttons and Functions

(1) ON/OFF VOLUME CONTROL

Rotating the ON/OFF VOLUME CONTROL in a clockwise direction will turn the unit on. The radio will show all icons in the LCD panel for a while with a confirming melody. After that moment only Battery Indicator, Main / CTCSS channel and Call

Indicator Icons. Adjust volume to a comfortable level.

If the radio is turned off after editing functions for your own use, it will memory what changes were made.

NOTE :
To reset your transceiver, turn on it while holding down the UP button.

(2) MODE BUTTON (FUNCTION)

¨ **Short Touch**
In the standby mode, press this button briefly to enter function edit mode in due order.
CTCSS / LOCK / VOX ON/OFF / VOX SENSE LEVEL / CALL TONE function selection mode.

NOTE :
In the current function edit mode, press PTT to return in the standby mode after choosing your use.
In the function edit mode, press MODE again to shift from the current option in each submenu to next option after selecting.

¨ **Long Touch**
In the standby mode, press for longer than 1 second to enter SCAN mode.

(3) MAIN CHANNEL SELECTION

In the standby mode, press UP / DOWN to move to the next higher / lower main channel number.

(4) CTCSS CHANNEL SELECTION

To access this mode, press the MODE until the CTCSS function mode.
Press the UP / DOWN to change the CTCSS subchannels (00~38) while the CTCSS channel icon blinking. No tone option (00) will be displayed OF in the LCD panel.

To confirm your selection and return in the standby mode, press the PTT.
To shift to the next option, press the MODE.

NOTE :
To communicate with other PMR units, all units must be switched to the same channel **and** to the same CTCSS subcode.

(5) LOCK FUNCTION

Press the MODE until the LOCK function mode.
Press the UP / DOWN while the CTCSS channel icon displaying ON / OF and the LOCK key icon blinking in the LCD panel.

If you select OF, it will be the UNLOCK MODE.
If you select ON, it will be the LOCK MODE. In this mode all function will be LOCKED. (Main / CTCSS channel selection, VOX / VOX sense selection, CALL Ringer Melody selection etc.) And LOCK key icon will be displaying the LCD panel.

To confirm your selection and return in the standby mode, press the PTT.
To shift to the next option, press the MODE.

(6) VOX SELECTION

Press the MODE until the VOX function mode.
Press the UP / DOWN while the CTCSS channel icon displaying ON / OF and the VOX icon blinking in the LCD panel.

To turn off the VOX feature, select OF.
In the VOX mode, VOX icon will be displaying.

To confirm your selection and return in the standby mode, press the PTT.
To shift to the next option, press the MODE.

(7) VOX SENSE LEVEL SELECTION

In the VOX SENSE LEVEL selection mode, press the UP / DOWN while the CTCSS channel icon displaying L1 / L2 and the VOX icon blinking in the LCD panel.

L2 is more sensitive level. The levels you chose will not display in the LCD panel.

To confirm your selection and return in the standby mode, press the PTT.
To shift to the next option, press the MODE.

(8) CALL RINGER MELODY SELECTION

In this selection mode, press the UP / DOWN while the CALL icon blinking in the LCD panel. According to the number of the CALL icon bar, your radio will sound 3 different ringer melodies.
To confirm your selection and return in the standby mode, press the PTT.
To shift to the next option, press the MODE.

(9) SCAN SELECTION

In the standby mode, press MODE buton for longer than 1 second to enter Auto SCAN mode. This feature allows you to scan for an active channel and communicate with the party transmitting.

In doing this mode, SCAN icon blinks. Press PTT, CALL or MODE button to stop SCAN mode at the active channel.

The unit will begin scanning for an active main channel and CTCSS subchannel. If a transmission is detected, the RX icon (BUSY) will appear and the scanned main / CTCSS channel number will be indicated in the LCD panel.

If there is no more transmission for over 5 seconds from the Scanned channel, the unit will restart scanning for new channel.
And even while receiving a transmission, you can do scanning again by pressing UP / DOWN button.
To return HOME channel while Scanning, turn off and then on.

Belt Clip & Wrist Strap

Belt Clip
To remove the belt clip, pull the tap outward while sliding the clip upward.

To reattach the belt clip, slide the clip downward until it locks into place.

Wrist Strap
To use wrist strap, follow the provided example.

BATTERIES

Installing Batteries

ALBRECHT radio uses four AAA batteries for power. We recommend alkaline batteries.

Note:

You can also use rechargeable batteries in the radio.
Be sure the radio is OFF, then open Locking Latch on battery compartment and slide cover off. Install the batteries, matching the polarity symbols (+ and –) inside the compartment. Then replace the cover and secure Locking Latch.

CAUTION:

Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different brands or capacities. The radio’s range decreases as the battery power decreases. To ensure maximum range, keep fresh batteries in the radio.
Do not install different type of batteries (standard, alkaline, or different -brand rechargeable) at the same time in your radio. This could result in damage to the radio or cause bodily injury especially during recharging of batteries.

CARE AND MAINTENANCE

To enjoy your radio for a long time:
Handle it gently.
Keep it away from dust, moisture and temperature extremes.
Clean it with a damp cloth. Do not use harsh chemicals.

Warranty Statement

ALBRECHT warrants that its products will be free from defects in materials and workmanship under normal use for one (1) year from the date of purchase by the original end user, provided that the buyer has complied with the requirements stated herein.

If the product fails to function under normal use because of manufacturing defect(s) or workmanship during the one (1) year period following the date of purchase, it will be replaced or repaired at no charge when returned to the place of purchase. The defective unit must be accompanied by the proof of purchase date in the form of a sales receipt.

In the event of a product defect during the warranty period, ALBRECHT will repair or replace the product. Replacement, at its option, may include a similar or higher-featured product. Repair may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Repaired or replaced parts and

products are warranted for the remainder of the original warranty period. All replaced parts or boards become the property of ALBRECHT. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current. This warranty is void if the serial number is altered, defaced or removed. The purchaser shall provide for removal of the defective product and installation of its replacement.

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